

From: MCOVENTR--VAU0002A
To: CWALL --VUS0212A Charles Wall

Date and time 02/14/92 14:27:52

From: Phil Francis
Subject: ATRF

Chuck

Following are some research projects presently being funded by the ATRF.

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- . The effects of type 1 diabetes mellitus and of tobacco smoke on dissipation of catecholamines in pulmonary endothelial cells - a non-neuronal site of uptake.
 - . Fetal hypoxia and lung development.
 - . The effects of active and passive smoking, in a rat model, on pulmonary endothelial cell function: Dissipation of catecholamines and responses to vasoactive agents.
 - . Inhibition of lung cancer development by antibodies to angiogenic growth factors.
 - . Role of lymphocytes in the pathogenesis of particle-induced pulmonary fibrosis.
 - . Glutathione S-Transferase deficiency and susceptibility to cancer.
 - . Cigarette smoking and upper gastrointestinal dysmotility in peptic ulcer disease.
 - . The action of nicotine on synaptic transmission in isolated hippocampal slices.
 - . Modulation of the nicotinic acetylcholine receptor.
 - . Brain monoamine oxidase activity and the effect of smoking.
 - . Signal transduction mechanisms in macrophage activation; influence of endogenous and exogenous nitric oxide.
 - . Macrophages and the production of inflammatory mediators.
 - . Regulation of eicosanoid generation in activated macrophages.
 - . Macrophage activation reduces mobilisation of arachidonic acid by guinea-pig and rat peritoneal macrophages in vitro.

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- . The role of cigarette smoke in enhancing uptake of low density lipoproteins by macrophages.
 - . Determinants of smoking behaviour among Australian adolescents.
 - . Development, implementation and prospective evaluation of smoking prevention strategies for Australian adolescents.
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Let me know if you require anything further.

Kind regards

Phil Francis

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